

CENTER FOR INTELLIGENT COMPUTER TOOLS

CENTER

The Center for Intelligent Computer Tools (CICT) was first funded in 1996 to facilitate the creation of computer tools including interactive image segmentation and composition, automated creation of digital libraries, and semi-automated creation of virtual environments from real world images.

TECHNOLOGY

The technology development effort is concentrated in the following areas: 1) intelligent scissors/paint which performs image segmentation and composition, 2) color image resolution which magnifies full color images with little or no visual loss, 3) automated recognition and interactive internet browsing of digital documents, 4) virtual environments to create realistic virtual environments from real world images.

ACCOMPLISHMENTS

The Intelligent Scissors software, licensed to Adobe Systems Inc. was released in Adobe Photoshop 5.0 as a main feature and is being well received by users. A demonstration module of the Virtual Environment software, creating a digital mosaic of the Wasatch Front from Spanish Fork to Ogden, has been assembled and will be shown to the Salt Lake Olympic Organizing Committee. It is hoped that this software can be used to provide virtual images for Olympic media coverage.

CONTACT

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Can You Imagine...

... careening down an Olympic bobsled run, fully aware of the twisting turns and angles of the sled, while watching the surrounding landscape rush by, all on the screen of your computer with every visual sensation artificially created in software.

THE CENTER DEVELOPS INTELLIGENT COMPUTER TOOLS FOR THE CREATION, MANIPULATION, AND PRESENTATION OF DIGITAL IMAGES.



- The BYU Center involves four faculty and over twenty students in the development of Intelligent Interactive Tools for innovative imaging applications.